

2/19/40
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01767374 **Image available**
CONDUCTIVE OIL SEAL

PUB. NO.: 60-245874 [JP 60245874 A]
PUBLISHED: December 05, 1985 (19851205)
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APPL. NO.: 59-103189 [JP 84103189]
FILED: May 22, 1984 (19840522)
INTL CLASS: [4] F16J-015/32
JAPIO CLASS: 22.1 (MACHINERY -- Machine Elements)
JOURNAL: Section: M, Section No. 474, Vol. 10, No. 115, Pg. 122, April
 30, 1986 (19860430)

ABSTRACT

PURPOSE: To prevent an electric discharge phenomenon, by forming an oil seal from a conductive rubber composite so as to form a conductive circuit via the oil seal between a housing and a shaft.

CONSTITUTION: An oil seal is formed by using a conductive rubber composite for a surface layer in the sliding side of a main lip 6 and a dust lip part 7 of the sealing part pieces 5 consisting of a rubber composite. Accordingly, the oil seal electrically connects a housing with a rotary shaft through a reinforcing metallic plate material of annular shape and the main lip surface layer and the dust lip part formed by the conductive rubber composite, completely preventing a discharge phenomenon from being generated inside a rolling bearing .

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